

Agency Activity Inventory
by Agency
Appropriation Period: FY 2006-07

Agency: P24 - Department of Natural Resources

Functional Group: Economic
Development &
Natural Resources

1226 Environmental Conservation

Section includes programs that (1) eliminate or minimize adverse impacts from noxious aquatic plant populations on the access and use of public waters (Title 49, Chapter 6), (2) coordinate agency review of environmental permits and other actions for the 38 inland counties, (3) provide analytical laboratory services and support to agency programs and activities, and (4) minimize the impact of floods and reduce flood related disaster costs through administration of the National Flood Insurance Program (NFIP), community assistance grants and training, and map modernization. The Environmental Conservation program includes Aquatic Plant Management, Environmental Review, Laboratory Services, and the Flood Mitigation Assistance sections.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$9,568,638	\$628,201	\$8,025,966	\$0	\$0	\$914,471	14.00

Expected Results:

(1) Maintain control of nuisance aquatic plant populations in all major public water bodies; (2) Provide thorough review of all environmental review requests in a timely manner; (3) Provide accurate laboratory analytical results to requestors in a timely manner; (4) Develop and implement community-based scenic river and river corridor management plans, and increased public appreciation of river systems; and (5) Sustain statewide community participation in the National Flood Insurance Program, and improve flood maps by county statewide.

Outcome Measures:

(1) Total nuisance aquatic plant coverage in public waterways compared to previous years (FY06: 7,747 acres infested, 12% decrease over FY05); (2) Number of comprehensive environmental permit reviews processed compared to previous years (FY06: 212 permits, 13% increase over FY05); (3) Number of laboratory analyses conducted compared to previous years (FY06: 1,163 analyses, 188% increase over FY05); (4) Percentage of communities participating in the National Flood Insurance Program compared to previous years (FY06: 89%, one percent increase over FY05) and percentage of state population affected by improved flood maps (FY06: 41%, a 71% increase over FY05).

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1227 Marine Shellfish Monitoring and Management

Marine Shellfish stocks including oysters, hard clams, and whelks and their commercial and recreational harvest are assessed and managed via collection of commercial fisheries landings records, setting of seasons and permitting of growing and harvesting areas, shell planting, habitat restoration, and fishery-independent, scientific sampling. Statutory obligations are in

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Sections 50-5-320,360,and 380 and Article 9of Chapter 5 of Title 50 of the Code of Laws.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,340,720	\$471,892	\$348,357	\$0	\$0	\$520,471	12.00

Expected Results:

Marine Shellfish populations remain sufficient to provide commercial and recreational harvesters a reasonable opportunity to harvest abundant, high-quality shellfish species and shellfish resources provide sufficient habitat for other marine species. .

Outcome Measures:

During 2005, 95,954 bushels of oysters and 21,212 bags (~250 count) of clams were harvested commercially for a value to the harvester of \$2.4 million. Approximately 40,000 shell fishermen participate in the recreational fishery each year, harvesting on 26-state-maintained public and state shellfish grounds used exclusively for recreational harvesting. These public grounds are planted with shell to repopulate the areas on a rotating basis; in 2005, 46,620 bushels of oyster and whelk shells including 10,494 bushels of recycled oyster and whelk shells were planted at eight locations. Additionally, recycled shell from the public at sixteen department-maintained, recycled shell drop-off locations. Commercial hard clam aquaculture industry landings are estimated at over \$5 million.

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1228 Marine Finfish Monitoring and Management

Marine Finfish stocks in S.C. territorial waters and adjacent oceanic waters are assessed and managed via collection of commercial fisheries landings records, interviews, logbooks and surveys of recreational fishermen, fish tagging studies, development of artificial reef habitats, and fishery-independent, scientific sampling of juveniles and adults of selected fish species of economic and social importance. Statutory obligations are in Articles 15,19, and 27 of Chapter 5 of Title 50 of the Code of Laws.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$6,192,729	\$887,348	\$3,030,202	\$0	\$0	\$2,275,179	57.60

Expected Results:

Population numbers and catch rates of targeted marine finfish remain sufficient to provide both resident and nonresident recreational and commercial fishermen a reasonable opportunity to successfully catch desired fish.

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Outcome Measures:

Fish resources remain in good overall condition as represented by red drum, which remained the most targeted inshore marine finfish species. Although populations can fluctuate as a result of environmental conditions, catches of red drum remained very near the long term average with approximately 537,669 red drum being caught by S.C. recreational anglers. The DNR continued to maintain 45 artificial reefs, adding 3 boas, 2 barges, over 3,500 pieces of material, 50 steel shipping containers and over 100,000 ton of bridge concrete. An estimated 80,000 + fishing trips are conducted annually by private and charter vessels generating over an estimated \$25 million.

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1229 Marine Crustacean Resources Monitoring and Management

Marine crustacean stocks including blue crab, stone crab, and shrimp in the state waters are assessed and managed via scientific sampling, collection of setting harvest seasons and periods, collection of commercial fisheries landings records, and surveys of recreational fishermen. Statutory obligations are Articles 7, 11, and 13 of Chapter 5 of Title 50 of the Code of Laws.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$525,838	\$123,729	\$240,209	\$0	\$0	\$161,900	6.50

Expected Results:

Population numbers and catch rates of targeted crustaceans remain sufficient to provide both recreational and commercial fishermen and tourists a reasonable opportunity to successfully catch targeted crustacean species.

Outcome Measures:

Shrimp stocks remained relatively healthy compared to long term indices. However, 2005 commercial landings were below the long-term average. During 2005, about 2.53 million pounds of headed shrimp were landed by commercial vessels worth about \$6.4 million. Total value was substantially below the long-term average due in part to weak unit prices symptomatic of increased imports. Permit sales for the shrimp baiting fishery were 9,004 in 2005, the lowest since 1988 and 1989. Effort was at an all time low in 2005 with just over 31,000 trips. The estimated recreational harvest was 0.704 million pounds heads-off. Commercial landings of hard blue crab in 2005 totaled 4.36 million pounds, below the long term average but consistent with landings since 2002. A slight drop was seen in value from the previous two years at \$3.44 million. The decline in total catch is related to reduced price per pound, which resulted in less fishing effort.

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1230 Mariculture Aquaculture

Permits are issued and compliance is monitored, outreach services are provided, and research into improved techniques for growing shrimp, clams, and fish in confinement is conducted along with animal disease studies. Statutory obligations are in Section 50-5-20 and Article 21 of Chapter 5 of Title 50 of the Code of Laws.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$2,010,357	\$1,000,979	\$828,946	\$0	\$0	\$180,432	16.10

Expected Results:

Technical assistance and applicable research will help sustain a healthy and profitable private shrimp, clam, and finfish farming industry, and non-native species will not result in ecological problems in marine and aquatic systems.

Outcome Measures:

Aquaculture operations in the state appear to be profitable, but state law does not require reporting of harvest, therefore we cannot report actual production although it is estimated to be valued in excess of \$5 million. Currently there are 44 private clam culturist using state bottoms, three private clam hatcheries, two production fish farms, two shrimp farms, and three horseshoe crab storage ponds are in operation.

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1231 Marine Education and Outreach

Education programs are conducted around the state through production of educational materials and on-site instruction.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,901,306	\$236,782	\$1,219,423	\$0	\$0	\$445,101	14.75

Expected Results:

The citizenry and public science teachers have a better understanding of the complex nature of the marine system and the environmental needs related to sustaining healthy marine resources.

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Outcome Measures:

Through classroom presentations, news releases, magazine articles, and guided tours, students and the general public are knowledgeable of the biological diversity and value of marine ecosystems and how the health of marine systems and fisheries is interwoven with fisheries management measures, water quality and coastal growth. One-on-one conversations conducted at outreach events verify an increase in understanding of these relationships.

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1232 Marine Environmental Monitoring and Management

Conduct routine, systematic survey of ecological and environmental health of marine ecosystem, protect critically important habitats, and provide comments to other agencies regarding impacts upon marine resources.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$3,436,832	\$548,242	\$1,803,424	\$0	\$0	\$1,085,166	20.20

Expected Results:

The DNR is able to monitor the health of the marine system and provide leadership in environmental related reactions required to sustain marine resources.

Outcome Measures:

Water quality and habitat evaluations indicate that the general health of the marine ecosystem is being maintained.

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1233 Special Marine Projects

Conduct research and monitoring on non-harvested marine species and resources that are important to the quality of life for citizens, including sea turtles, whales, dolphin, and coastal hammock islands.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,049,427	\$127,916	\$656,979	\$0	\$0	\$264,532	3.60

Expected Results:

Critical information for sustaining marine animals and habitats important to the citizens of S.C. is collected and provided to managers and the public.

Outcome Measures:

Surveys and research have provided new information regarding the biological needs for special non-harvested marine resources and habitats of concern to the state.

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1234 Game and fish licensing (Charleston Office)

Administer game and fish licenses, particularly saltwater species, in the Charleston area and commercial license agents in coastal counties.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$112,629	\$5,778	\$0	\$0	\$0	\$106,851	2.25

Expected Results:

Improve the quality of S.C. natural resources through the sale of licenses. Licenses are easily available to our constituents, both resident and nonresident.

Outcome Measures:

License revenue level or increasing. Money is collected / receipted from license agents within 15 days of sale of licenses.

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1235 Game and fish licensing (Columbia Office)

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Administer game and fish licensing through direct sales, over 800 license agents, with 220 of the agents on Point of Sale, and Great Lodge.com providing internet services . Authorized in Title 50 of the S.C. Code of Laws.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$597,919	\$147,919	\$0	\$0	\$0	\$450,000	9.00

Expected Results:

Improve the quality of South Carolina's natural resources through the sale of licenses. Licenses are easily available to our constituents - both resident and non-resident.

Outcome Measures:

License revenue level or increasing. Money is collected / receipted from license agents within 15 days of sale of licenses.

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1236 Agency Support Services (Administration)

Agency administration encompasses a wide variety of activities that promote and support the implementation of all agency functions and the overall management of the agency. The executive section of the agency provides the leadership, direction, and policy recommendations used in carrying out statutory obligations, board policies and agency goals. Functions included in the executive office include constituent services, human resources, audit, legal, and legislative. Administrative functions provide day-to-day operation of the agency. The administrative section includes accounting, budget, grants, procurement, fixed assets, equipment, information technology, web services, GIS and engineering. Authorized in 1-30-75 of the Code of Laws.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$6,781,905	\$3,941,870	\$0	\$0	\$1,500,000	\$1,340,035	57.00

Expected Results:

Agency managers, state officials, and the Legislature have confidence in the agency's financial and support information and can use it to make decisions affecting our natural resources. Facilities and vehicles are well maintained, safe, and efficient. Agency staff receive secure, high quality desktop support and network services. Managers and supervisors possess the highest quality communication, performance management, hiring and leadership skills. This creates a safe, supportive and diverse work environment by providing comprehensive human resource services.

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Outcome Measures:

Functions such as accounting, grants, procurement, fixed assets and human resources are measured through annual audits. Support functions of the agency are no more than 10% of the budget.

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1237 Provide public information

External agency communications with the public and the media through the following activities: news releases, publications, public speaking, responses to requests for information and informational videos. The Administrative Procedures Act requires that the public be provided with regulatory information.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$505,335	\$505,335	\$0	\$0	\$0	\$0	13.00

Expected Results:

Improve the quality of South Carolina's natural resources through communication with our constituents. The public will better understand and appreciate our natural resources and become better stewards of them.

Outcome Measures:

News releases are provided to 200 outlets weekly; over 280 publications ranging from annual hunting/fishing rules and regulations to a list of public dove fields to migratory waterfowl regulations are printed annually. And informational videos on topics such as boating safety, oyster shell recycling and Camp Wildwood project are produced. Effectiveness of news releases is measured by the number of news outlets "picking up" our message for their medium. Public demand continues to drive the production of our informational publications and videos.

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1238 Provide outreach and education services

Continue a positive relationship with the public by providing educational and outreach opportunities: Junior Duck Stamp, Camp Wildwood, animal programs, Jocassee Education, Project WILD, Aquatic WILD, Advanced WILD, Becoming an Outdoors Woman, Palmetto Sportsman's Classic, Reel Kids and Reel Art.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$670,810	\$437,181	\$156,563	\$0	\$0	\$77,066	9.00

Expected Results:

Improve the quality of South Carolina's natural resources through communication with our constituents. The public is educated about the agency's work and role in natural resource protection and understands the policies the agency is developing and the opportunities available to influence the agency's decisions.

Outcome Measures:

Over 300 animal programs are given during the school year giving approximately 16,000 school children the opportunity to learn about animals native to South Carolina. The success of this long standing program is measured by the number of schools requesting to be put on a waiting list - over 800 in the 05-06 school year. Reaching students in K - 12, the Junior Duck Stamp art competition combines artistic talent with science as the participants learn what types of water fowl live in South Carolina and the types of habitat that exist for these waterfowl. The success of the Junior Duck Stamp competition is measured by the number of schools submitting artwork and the number of private entities providing assistance with the funding of this program. Becoming an Outdoors Woman (BOW) provides women the opportunity to learn outdoor skills such as hunting, fishing, kayaking, camping in a relaxed, non-intimidating environment. Success is measured through class evaluations. The BOW program is consistently scored as excellent or very good by our participants.

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1239 South Carolina Wildlife (SCW) Magazine

Produce the nationally recognized South Carolina Wildlife magazine, begun in 1954 and regarded as the Ambassador for outdoor South Carolina, reaches a growing list of subscribers and readers in a bimonthly full color publication. Proviso 24.4 of the General Appropriation Act.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$747,851	\$0	\$0	\$0	\$0	\$747,851	8.00

Expected Results:

Improve the quality of South Carolina's natural resources through the readership of this publication. The public will better understand and appreciate our natural resources and become better stewards of them. SCW magazine is a product that challenges, entertains and educates.

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Outcome Measures:

Paid subscribers total over 62,000 giving the magazine an approximate readership of 248,000 with 20% being nonresidents. The DNR Board felt so strongly that the magazine was a learning tool, they personally funded school library subscriptions for three years. By placing SCW in over 1,700 schools, a natural resource message is delivered to school children across the state. Letters from teachers indicate they use SCW as an aide while teaching South Carolina history, geography and science. The magazine maintains a 64% renewal rate and a 33% new business rate.

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1240 Manage and grow the Wildlife Shop

The Wildlife Shop exists to support the South Carolina Wildlife magazine. In a report provided by the Legislative Audit Council, it was noted that "increasing the sale of wildlife magazine products may be the best way to increase magazine revenues."

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$382,316	\$0	\$0	\$0	\$0	\$382,316	2.00

Expected Results:

Improve the quality of South Carolina's natural resources through the Wildlife Shop. The Wildlife Shop will show a profit and that profit will be invested in the production of South Carolina Wildlife magazine.

Outcome Measures:

The Wildlife Shop showed a profit of over \$80,000 in FY 06

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1241 Provide the registration and titling of watercraft and outboard motors as required by law

Process renewals, new registrations, titles, and transfers of watercraft. Submit records to county treasurer for tax purposes. Authorized by Title 50, Chapter 23 of the Code of Laws. 20% of expenditures are agency support related.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,228,809	\$0	\$0	\$0	\$0	\$1,228,809	27.00

Expected Results:

Improve the quality of South Carolina's natural resources through increased public awareness of boat registration requirements; and to promptly process customer transactions.

Outcome Measures:

Less than 1% of all transactions result in a complaint - either verbal or written. Mail transactions are processed within three to five business days during the non-peak season and five to seven business days during the peak season.

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1242 Wildlife Regional Operations

Natural resource biologists and technicians utilize current technology and science to manage and protect wildlife species and their habitats throughout the state. Activities range from direct habitat manipulation on thousands of acres to collection of survey and monitoring data in coordination with Statewide Projects. Technical wildlife management expertise is provided to private landowners, industry leaders and other governmental agencies. Regional Operations includes the activities of the Environmental Program to further ensure the protection of wildlife resources.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$8,714,169	\$0	\$3,147,000	\$600,000	\$0	\$4,967,169	90.00

Expected Results:

Provide over 1 million acres of land for outdoor recreation through the administration of 39 cooperative wildlife management area agreements. Manage over 176,861 acres of DNR owned wildlife management areas and Heritage Preserves. Provide special hunting opportunities for over 800 youth and over 100 mobility impaired sportsmen. Review over 400 environmental permit applications annually.

Outcome Measures:

Over 615,000 man-days of hunting will be provided annually through 67 Wildlife Management Areas, 32 public waterfowl areas and 47 public dove fields. Through the Draw Hunt Program, staff will conduct a minimum of 168 separate hunts for deer, turkey, waterfowl and quail and accommodate almost 5,000 participants. Wildlife habitat will be protected or enhanced on over 19 DNR owned Wildlife Management Areas and 54 Heritage Preserves requiring maintenance of 480 miles of roads and trails, 428 miles of dike, 236 miles of fire lanes, over

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10,000 acres of managed wetlands and over 8,000 acres of annual agricultural activity.

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1243 Statewide Projects - Wildlife Section

A broad team of natural resource biologists and technicians utilize current technology and science to research, monitor and survey a broad range of native wildlife species or suites of species including non-game, game and endangered vertebrates. These individuals plan, direct and collaborate with Wildlife Section Regional Projects in this activity.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$3,542,009	\$271,562	\$1,432,355	\$0	\$0	\$1,838,092	30.00

Expected Results:

Information gathered from these efforts provide data and other information upon which the management of species and habitats are based.

Outcome Measures:

South Carolina experienced more than 1.2 million participants in wildlife-watching and other non-hunting related activities. The economic impact of these activities is estimated at \$256 million. Population parameters and biological data for endangered and threatened vertebrates was collected and published. Four sea island rookeries were afforded special protection from human disturbances resulting in enhanced survival of more than nine species of birds.

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1244 District Operations

Activities are carried out on a regional and statewide basis to protect, conserve and enhance South Carolina's freshwater fishery and other aquatic resources. The management and conservation of these resources are supported through the collection, evaluation and dissemination of relevant data needed to make recommendations. Impacts and potential impacts to the aquatic resource are assessed and actions taken to minimize, eliminate or correct resource damage. Opportunities for habitat enhancement are sought.

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\$2,632,519	\$0	\$1,626,542	\$0	\$0	\$1,005,977	30.00

Expected Results:

Provide information needed to make informed decisions regarding the conservation and enhancement of the state's fisheries resources on a statewide and regional basis so that resource may continue to sustain recreational fishing. Technical recommendations relating to environmental impacts will aid in protecting the resource of the state and assist in developing more compatible plans for resource use. The investigation of fish mortalities will lead to a better understanding of their cause and prevention and in selected cases provide the State with a means of mitigating the resource loss. The result of habit enhancement and rehabilitation is an increase in fishing opportunities available to the angler. Additionally, some of these areas should provide nursery habitat to enhance survival and recruitment of reproduction.

Outcome Measures:

Freshwater fishing in South Carolina has an economic impact of over \$717 million annually. South Carolina maintains approximately 450,000 licensed anglers. A survey on South Carolina's licensed anglers indicated that 82% are satisfied with the performance of the Freshwater Fisheries Section. A survey of South Carolina's general population shows that, while 35% of the population does not know enough about SCDNR to rate its performance, 52% feel SCDNR is doing a good or excellent job managing the State's fishery resources. Approximately 130 lakes, reservoirs, rivers and streams are surveyed and inventoried annually. Habitat enhancement activities and fish concentration areas are maintained at 145 sites. Environmental permits are reviewed for approximately 27 projects and approximately 28 fish kill events are investigated on an annual basis.

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1245 Hatchery Operations

The objective of the activity is to maintain hatchery facilities in sufficient number and in proper repair so as to allow for the production of various fish species of adequate number and size to meet resource management objectives and to provide DNR-operated public lake facilities for recreational opportunities. The agency operates and maintains four warm water hatcheries and one cold water hatchery. The agency currently maintains 18 public fishing lakes.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$2,437,207	\$0	\$756,000	\$0	\$0	\$1,681,207	27.00

Expected Results:

To make available recreational fishing opportunities in managed small impoundments available to the public, which

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provide access to both boat and bank anglers. To produce various fish species of the appropriate size and appropriate numbers needed to maintain and enhance recreational fishing opportunities and other management objectives.

Outcome Measures:

The agency's hatchery system produced over 6.7 million fish of 10 different species for stocking in public waters to provide public fishing opportunities or meet other management objectives. Fishing for striped bass and coldwater trout generates an economic impact in excess of \$93.9 million and \$17.4 million, respectively. In South Carolina, the products from the SCDNR's fish hatcheries support approximately 80% of the striped bass fishery and 90% of the coldwater trout fishery.

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1246 Rediversion

Activities meant to achieve restoration of anadromous fish passage into the Santee Cooper Lake System to levels that existed before the construction of the Cooper River Rediversion Project and to work toward the restoration of diadromous species in other river systems in South Carolina primarily through the FERC re-licensing process.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$420,084	\$0	\$200,000	\$0	\$0	\$220,084	2.00

Expected Results:

Provide passage of American shad, blueback herring and other anadromous species at Pinopolis Dam and at the St. Stevens Fish Lift at levels equivalent to those occurring prior to rediversion. Have diadromous species issues addressed in other river systems as dams in these systems under go relicensing.

Outcome Measures:

During FY04 fish biomass of approximately 1,375,014 million herring units (187,002 metric tons of biomass) were passed at the Pinopolis Dam. Fish passage estimates at the St. Stephen Fish Lift were 105,129 blueback herring, 283,225 American shad and about 15,919 other species. Fish passage issues were addressed at facilities in the Savannah River, Broad River, Wateree River and the Pee Dee River system. A survey of South Carolina's general population revealed that 78% residents agree that fish passage should be provided where dams block fish migration routes and adversely impact the population.

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1247 Enforce game, fish and related natural resource laws

Enforce the hunting, fishing and boating laws as mandated by state and federal laws to insure protection of life, property, and natural resources. Assist other state law enforcement agencies with homeland security, litter violations, executive protection and natural disasters and general law enforcement support functions for public safety matters.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$19,024,705	\$9,138,976	\$455,000	\$505,000	\$0	\$8,925,729	257.20

Expected Results:

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources and by insuring the safety of our resource users.

Outcome Measures:

Violations of natural resource laws are tracked through a ticket and warning system. Success is measured by positive feedback from the county delegations.

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1248 Provide aviation services

Provide air support in the enforcement of game, fish and boating laws as mandated by state and federal law. Assist in the apprehension of violators. Assist biological staff with surveys.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$384,000	\$200,000	\$0	\$0	\$0	\$184,000	1.00

Expected Results:

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources.

Outcome Measures:

Flight logs correlate to natural resource protection and management.

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1249 Provide staff development and training to agency law enforcement officers.

Provide staff development and training to agency law enforcement officers. Conduct training for these officers and deputy law enforcement officers. Maintain updated certification with the Criminal Justice Academy on DNR officers.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$260,000	\$200,000	\$0	\$0	\$0	\$60,000	1.00

Expected Results:

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources.
Trained officers provide a higher quality of service.

Outcome Measures:

Certification on officers is maintained.

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1250 Maintain a victim's assistance program

Enforce the hunting, fishing and boating laws as mandated by state and federal laws to insure protection of life, property, and natural resources. Assist other state law enforcement agencies with homeland security, litter violations, executive protection and natural disasters and general law enforcement support functions for public safety matters. The Victim Assistance program assists those individuals and their families who have been impacted by natural resources related crimes such as boating under the influence, negligent or reckless operation of a boat, negligent hunting accidents and negligent use of a firearm. This service includes, but not limited to, notification of rights, case status, assistance with the State Office of Victims Assistance, counseling services, and information regarding the criminal justice system and court processes. This program is authorized by Act 343 of 1997.

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\$0	\$0	\$0	\$0	\$0	\$0	0.00

Expected Results:

Outcome Measures:

EXPLANATION:

This service has been moved to county governments.

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Functional Group: Economic
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1251 Services provided through County Funds

As stated in statute 50-9-910, county game and fish funds must be expended in the respective counties for the protection, promotion, propagation and management of wildlife and fish and the enforcement of related laws.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,008,829	\$0	\$0	\$0	\$0	\$1,008,829	0.00

Expected Results:

Improve the quality of South Carolina's natural resources through services provided through county funds.

Outcome Measures:

Feedback is provided through constituents in the counties.

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Functional Group: Economic
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1252 Provide hunter education and promote hunter safety.

Educate the public, making them better informed of the benefits of hunting as a resource management tool and promote safe and ethical hunting.

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FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,188,271	\$0	\$950,617	\$0	\$0	\$237,654	9.00

Expected Results:

Improve the quality of South Carolina's natural resources through hunter education and hunter safety.

Outcome Measures:

Hunter safety is measured through the number of safety courses given and the number of hunting accidents/fatalities annually. Additional information is maintained on promotion of hunting activities through participation of agency programs such as Take One, Make One (TOMO) and Becoming an Outdoors Woman (BOW).

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Functional Group: Economic
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1253 Enforce boating safety laws and investigate boating accidents

Enforce boating safety laws as mandated by state and federal law. Promote safe boating. Investigate boating accidents.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$2,863,481	\$0	\$1,908,987	\$0	\$0	\$954,494	15.00

Expected Results:

Improve the quality of South Carolina's natural resources through safer boating activities thus reducing boating fatalities.

Outcome Measures:

Violators of boating laws are ticketed. Boating fatality statistics are maintained by the agency.

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Functional Group: Economic
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1254 Purchase law enforcement equipment

Purchase equipment including vehicles and boats for the support of law enforcement.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$2,250,000	\$750,000	\$0	\$0	\$1,500,000	\$0	0.00

Expected Results:

Improve the quality of life of South Carolina's natural resources by providing more efficient services.

Outcome Measures:

Replacement of aging equipment.

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Functional Group: Economic
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Natural Resources

1255 Provide boating access facility assistance

Provide assistance to state, county and municipal governmental entities in the design, construction and renovation of boating access facilities.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$655,984	\$0	\$0	\$0	\$0	\$655,984	4.00

Expected Results:

Improve the quality of South Carolina's natural resources through meeting current and future usage demands for boating access facilities and by renovating existing facilities or constructing new facilities.

Outcome Measures:

A yearly inspection program has been established to determine the conditions and usage capacities of existing boating access facilities. Based on these inspections, repairs or renovations will be made to the facility. A quantitative measure of the expected results is the number of boating facilities that are repaired or renovated in a given year.

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Functional Group:

1256 Heritage Trust Program

Section includes programs that (1) eliminate or minimize adverse impacts from noxious aquatic plant populations on the access and use of public waters (Title 49, Chapter 6), (2) coordinate agency review of environmental permits and other actions for the 38 inland counties, (3) provide analytical laboratory services and support to agency programs and activities, and (4) minimize the impact of floods and reduce flood related disaster costs through administration of the National Flood Insurance Program (NFIP), community assistance grants and training, and map modernization. The Environmental Conservation program includes Aquatic Plant Management, Environmental Review, Laboratory Services, and the Flood Mitigation Assistance sections.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$877,327	\$347,050	\$20,000	\$0	\$0	\$510,277	21.00

Expected Results:

(1) Maintain control of nuisance aquatic plant populations in all major public water bodies; (2) Provide thorough review of all environmental review requests in a timely manner; (3) Provide accurate laboratory analytical results to requestors in a timely manner; (4) Develop and implement community-based scenic river and river corridor management plans, and increased public appreciation of river systems; and (5) Sustain statewide community participation in the National Flood Insurance Program, and improve flood maps by county statewide.

Outcome Measures:

(1) Total nuisance aquatic plant coverage in public waterways compared to previous years (FY06: 7,747 acres infested, 12% decrease over FY05); (2) Number of comprehensive environmental permit reviews processed compared to previous years (FY06: 212 permits, 13% increase over FY05); (3) Number of laboratory analyses conducted compared to previous years (FY06: 1,163 analyses, 188% increase over FY05); (4) Percentage of communities participating in the National Flood Insurance Program compared to previous years (FY06: 89%, one percent increase over FY05) and percentage of state population affected by improved flood maps (FY06: 41%, a 71% increase over FY05).

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Functional Group: Economic
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1257 Conservation Districts

The Conservation Districts Section is responsible for maintaining the organization of the state's 46 soil and water conservation districts and serves as one mechanism through which the programs of the Department are channeled to the local level. Guidance and training are provided to the 230 Conservation District Commissioners on their duties and responsibilities as public officials

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communication is facilitated between conservation districts. Technical assistance is provided at the local level ranging from agricultural conservation practices, urban erosion and sediment control, water quality projects, and wildlife habitat management. The Section assists conservation districts with administration of the Watershed Conservation Districts Law and with public awareness programs. Authorized by Title 48, Chapter 11 of the Code of Laws

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,401,128	\$1,401,128	\$0	\$0	\$0	\$0	29.00

Expected Results:

An effective Conservation Districts network due to financial and staff support; enhanced soil and water resources due to application of practices by land users; conservation of natural resources by an informed public.

Outcome Measures:

230 active Conservation District Commissioners; 46 functional Soil and Water Conservation Districts; 8.2 million acres covered under a conservation plan through the conservation districts; 175 active Watershed Directors; 35 functioning Watershed Conservation Districts with oversight of 75 watershed dams and approximately 300 miles of channels. Of the \$1,953,128 total in General Funds, \$9,000 is passed through to each of the 46 conservation districts, totaling \$414,000.

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1258 South Carolina State Climatology Office (SCO)

The SCO represents the State in all climatologically and meteorological matters and serves as the State's archive for climate data, reports, and research. Hazard mitigation for severe weather events, such as hurricanes, droughts, tornadoes, floods, and ice/snow storms, is a critical area of responsibility. The office administers the South Carolina Drought Response Program. Authorized by Title 49, Chapter 25 of The Code of Laws.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$371,339	\$371,339	\$0	\$0	\$0	\$0	5.00

Expected Results:

Provide timely, high-quality climate services. Distribute climate hazard and climate advisories and warnings to local, state, federal, and regional decision-makers. Continue improving drought monitoring and response in South Carolina. Prepare and issue timely on-line summaries, statements, and news releases concerning regional climate anomalies and impacts. Conduct applied research and develop new climate products that focus on relationships between climate and human activities and major regional issues such as water resources.

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Outcome Measures:

Statistics on end-user information queries: FY05-06: 709 requests for climate information and 130 media interviews. Information retrievals from SCO web site: ranged from 26,982 to 41,115 per month. Maintained SCO website and SC Tropical Information Center website. Issued: 52 weekly summaries, 27 presentations, one annual weather summary, two event summaries, three press releases, one solicited report. Completed seven training events and attended 25 meetings, including four national conferences. Weather briefings to State agencies, State Emergency Operations Center and Governor's Office were provided during three winter storms, one hurricane and three tropical storms. SCO staff conducted 22 severe weather/hurricane conference calls. Expanded Severe Weather Alert Email Listserv to 209 subscribers. 64 Severe Weather Alert email advisories issued. Completed production and distribution of 2006 SC Weather Calendar. Began production of 2007 SC Weather Calendar. Developed Regional Drought Monitor Application through funding from Duke Energy. Revised research projects: "Strategies for Mitigating Drought: Evaluation of State and Local Triggers" and "Developing a Spatial Distribution of Tropical-Cyclone Induced Precipitation."

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1259 Southeast Regional Climate Center (SERCC)

The SERCC provides applied research and information services to Alabama, Florida, North Carolina, South Carolina, Virginia, Puerto Rico, and the U.S. Virgin Islands. Services include answering customer inquiries as received via telephone, fax, or e-mail. Local web sites are maintained to provide access to a full range of local, state, regional, and national climatologically data and information. Services also include interaction with customers and potential customers to ensure that local needs for climatologically data and information are readily known. Applied research includes developing programs to analyze current climatic conditions and trends from climatology, generating products and providing access to climate relationship models for monitoring regional conditions, and assessing climate impacts.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$337,969	\$0	\$0	\$0	\$0	\$337,969	7.00

Expected Results:

The SERCC responds to user requests, provides access to and hosts climatological databases and on-line information, and maintains contact with users. It develops automated climate monitoring products, such as KBDI, Tropical Storm Tracking, and a suite of graphics for temperature and precipitation data for the Southeast. Work continued on the Southern AER (Atmospheric Education Resource) with a quarterly publication. Collaboration continued with USC and Clemson University as well as other academic resources with SC and the Southeast. It will participate in a RCC/NCDC/NOAA deployment of the ACIS system to ingest and deliver climate data to Southeastern data users. The SERCC will also participate in the NCDC NES Pilot Study, sending two representatives for training.

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Outcome Measures:

Statistics on end-user information queries (FY06: 154 invoiced requests, \$6,180 in revenue). Internet usage (FY06: 3,459,107 page hits from 119,853 users). Database queries (FY06: 25,332 requests for climate data from ACIS). One paper was presented at the Annual Meeting of the Association of American Geographers: "Spuriously Induced Temperature Trends in the Southeast United States." Two papers were published: "Trends in fog frequency and duration in the Southeast United States" in Physical Geography and "Spuriously Induced Temperature Trends in the Southeast United States" in Theoretical and Applied Climatology.

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1260 Geological Survey

The Geological Survey provides geologic information to the public, private industry, other State agencies, and the Federal government on a statewide basis. The purpose of such information is to provide advice and assistance in the decision-making process. Stakeholders and the STATEMAP Advisory Committee identify critical areas needing new geologic information. Critical areas are those areas in which environmental protection, economic development, land-use, or regional planning issues need to be addressed from a geologic perspective. Following prioritization of critical needs, mapping and information gathering are conducted in the field, and maps or reports are prepared. New map information covering critical areas also is obtained from outsources to minimize costs and to maximize map coverage. Authorized by Title 48, Chapter 22 of The Code of Laws.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$836,319	\$613,603	\$222,716	\$0	\$0	\$0	11.00

Expected Results:

Once gathered, reliable geologic information has a long shelf life. Continual accumulation of new, and refinement of existing, geologic information cuts both lead time for and costs of the information. The availability of such information can help in mitigation of environmental problems, stimulation of economic development, or protection of the public and their property. Value is added by placing new or refined geologic information in an electronic format. In such a format, a variety of media (i.e., e-mail, CD, or printed-upon-demand hard copy) can then be used to disseminate information rapidly to stakeholders, private industry, and other government agencies. Derivative products also are placed in that format to maximize available resources.

Outcome Measures:

During FY06, 88 different economic projects requested geologic information about 29 counties. New maps covering 848 square miles were produced of the Columbia-Aiken, Lake Marion, Congaree Swamp, and Coastal areas (defined critical areas). 307 power auger holes were drilled in the 4 different Coastal Plain areas. Approximately 1,290 observations also were made where Piedmont rocks cropped out in the Columbia-Aiken map area. 14 cross sections were drawn to complement the new mapping. Outsources also produced maps covering another 193 square miles. In addition, maps covering 2056 square miles were developed into electronic products. A new, 1:1,000,000 State geology map also was produced. Three papers were presented at a Geological

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Society of America meeting.

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1261 Hydrology Section

The Hydrology Section monitors and assesses the availability and use of the State's water resources, formulates water resources policy, and establishes guidelines for the effective management of the State's water resources. It conducts hydrologic studies to determine where and how much water is available and if streams, wetlands, and estuaries can be restored and protected. It develops analytical models and methodologies that are used to minimize conflicts during water shortages and it develops allocation mechanisms for the long-term sustainability of the resource. It monitors stream flows, lake levels, and ground water levels to determine current hydrologic conditions and to analyze seasonal and long-term trends regarding the availability of water. Staff provide technical assistance and advice to the Governor, General Assembly, and South Carolinians concerning water-related issues and provide technical support to policy makers who are negotiating water rights with neighboring states. Authorized by Title 49, Chapter 3 of the Code of Laws.

FY 2006-07

Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$2,094,122	\$1,544,122	\$0	\$250,000	\$0	\$300,000	17.00

Expected Results:

Accurate information regarding the availability and use of water in our lakes, streams, and aquifers must be provided to customers in a timely manner to enhance their future planning and development. High quality data are expected to be collected from monitoring stations and other sources. These data are compiled, analyzed, and disseminated via technical reports, public presentations, brochures, and the agency's web page so that sound decisions can be made at the local, county, and State levels regarding water resources. Surface and ground water flow models are expected to be developed that can be used as management tools to predict the impacts that withdrawals and diversions have on other users of the resource and on the environment. Policies are formulated and decisions are made to ensure that water of suitable quality and quantity is available for use when and where it is needed and to save lives and minimize property damage caused by extreme events such as floods and droughts. Sound scientific information is provided to State negotiators to ensure that South Carolina's water rights are protected.

Outcome Measures:

In FY06, more than 400 technical assistance requests were answered, two technical reports were published, and two scientific papers were presented at hydrologic conferences. Fifteen presentations were made to water professionals and to the general public regarding our water resources, including a talk to the White House Subcommittee of Technology and Science in Washington, D.C. about the South Carolina Water Plan. Ground water levels were measured in 107 wells; surface water flows at 97 stations; saltwater intrusion at two stations; pond levels at one station; and 650 records were added to our ground water database. A ground water flow model of the Coastal Plain is being developed in cooperation with the U.S. Geological Survey. Surface water flow models are being developed for the redirection canal at Lake Moultrie and for Scott Creek at Edisto Beach. Two

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environmental restoration projects are being conducted to study the feasibility of restoring hydrologic conditions at the Edisto Island Causeway and at Ditch Pond Heritage Preserve. Technical assistance was provided to State negotiators for the Yadkin-Pee Dee and Saluda Dam FERC relicensing projects and to the Governor's Water Review Committee.

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1620 Services provided through Water Recreation Resources Fund

As stated in statute 12-28-2730, Water Recreation Funds must be expended to acquire, create or improve water recreational resources.

FY 2006-07						
Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$1,003,687	\$0	\$0	\$0	\$0	\$1,003,687	0.00

Expected Results:

Improve the quality of South Carolina's natural resources through services provided by the Water Recreational Resources Fund.

Outcome Measures:

Feedback is provided through constituents in the counties.

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1754 Aid to Conservation Districts (Pass-thru)

DNR shall distribute to Soil & Water Conservation Districts funds that have been appropriated by the General Assembly for that purpose.

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Total	General Funds	Federal Funds	Supp. Funds	CRF	Other Funds	FTEs
\$552,000	\$552,000	\$0	\$0	\$0	\$0	0.00

Expected Results:

These funds will be used by each Conservation District to address natural resource concerns such as erosion control, sedimentation, improve water quality, flood control, habitat improvement, etc in rural and urban areas.

Outcome Measures:

Applied conservation measures to the ground to reduce erosion, flooding, improve water quality, enhance awareness of being good stewards of our natural resources, improved habitat, land protection, etc.

EXPLANATION:

Separated out from Activity #1257

AGENCY TOTALS

Department of Natural Resources

TOTAL AGENCY FUNDS	TOTAL GENERAL FUNDS	TOTAL FEDERAL FUNDS	TOTAL OTHER FUNDS
\$89,908,570	\$24,452,952	\$27,029,286	\$34,071,332
	TOTAL SUPPLEMENTAL FUNDS	TOTAL CAPITAL RESERVE FUNDS	TOTAL FTEs
	\$1,355,000	\$3,000,000	828.20